

Article Overview

Heat shrink tubing prices range from around \$0.30 per foot for small, standard tubing to over \$800 for specialized bus bar reels, depending on size, material, and quantity.

Typical Price Ranges

- o Small kits and rolls: Basic polyolefin or PVC tubing in 1/8" to 1/2" diameters typically costs \$0.30-\$1.50 per foot or \$2-\$25 per kit for assorted sizes and lengths, suitable for general wire insulation and small distribution box applications (Home Depot, Harbor Freight, Amazon) .
- o Medium rolls: 100-200 ft rolls of flame-retardant or adhesive-lined polyolefin tubing cost \$20-\$125 per roll, depending on diameter and shrink ratio (DigiKey, RS Components) .
- o Large or specialized tubing: Bus bar or heavy-duty industrial tubing can cost \$500-\$832 per 20 ft to 200 ft reel, designed for high-voltage or high-current applications in distribution boxes (RS Components, DigiKey) .
- o Shrink ratios: Common ratios are 2:1, 3:1, and 4:1. Higher ratios allow tubing to fit over larger connectors but may slightly increase cost .

Material Considerations

- o Polyolefin: Most common, flame-retardant, flexible, suitable for general electrical insulation .
- o PVC: More affordable, good for low-temperature applications, offers vibrant colors .
- o Adhesive-lined or dual-wall: Provides waterproof sealing and better strain relief, typically priced higher than single-wall tubing .
- o Specialty materials: PVDF, FEP, Viton, or high-temperature resistant tubing can cost significantly more, often used in industrial or outdoor distribution boxes .

Buying Tips

- o Kits vs. bulk rolls: Kits are convenient for small projects and include multiple sizes, while bulk rolls are more cost-effective for large-scale installations .
- o Local availability: Stores like Home Depot, Lowe's, and Harbor Freight offer immediate pickup options, while online suppliers like DigiKey, McMaster-Carr, and HeatShrinkTubing.com provide a wider selection and bulk discounts .
- o Volume discounts: Purchasing larger quantities often reduces the per-foot cost, especially for industrial-grade tubing . In summary, for distribution box applications, standard polyolefin tubing in 1/4" to 1/2" diameter typically costs \$0.30-\$1.50 per foot, while specialized or heavy-duty tubing can range from \$50 to over \$800 per reel, depending on material, length, and features like adhesive lining or flame retardancy .



Price of heat shrink tubing for distribution boxes

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Heat shrink kits include convenient assortment of different types of heat shrink tubing designed for insulating, bundling and protecting

After applying the heat, the tube remains flexible. Bates heat shrink tubing kit is suitable for electrical insulation,

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Neoprene: Neoprene heat shrink tubing provides good resistance to oils, fuels, and chemicals. Dual-Wall Heat Shrink Tubing: Dual

Usually heat-shrink tubing is manufactured from polyolefin fluoropolymer (FEP, PTFE, KYNAR), PVC, Neoprene, Viton or Silicone

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